IEC Appliance Inlet C14 with Line Switch, Fuseholder 1- or 2-pole, Voltage Selector (series-parallel), "Lock and Shield" Mounting,



GRM2: only with shield, without line filter

C14

70° C

Description
- Panel Mount:
  Snap-in version from rear-side
- 5 Functions:
  Appliance Inlet Protection class I, Line Switch 2-pole, with or without Fuseholder for fuse-links 5 x 20 mm, with or without voltage selector, with EMC-shield

Approvals
- VDE License Number: 40024784
- UL License Number: E93617

Characteristics
- Ultra-compact design
  Time saving "Lock and Shield" snap-in design for rear-panel mounting
- All single elements are already wired
- Fuseholder on the inside of the equipment prevents accidental use of incorrect fuse-links by the user
- Voltage selector for two voltage ranges
  Innovative EMC-shielding with flexible steel segments for an excellent contact to the panel
- Insulation cover on the rear-side
- Qualified for use in equipment according IEC/EN 60950

Other versions on request
- Panel thickness 1.0 / 2 / 2.5 mm (max.)
- Fuseholder 1-pole
- Line switch 1-pole
- Voltage selector with other marking

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, Mating Connectors, e-Store, Distributor-Stock-Check, Accessories

Technical Data

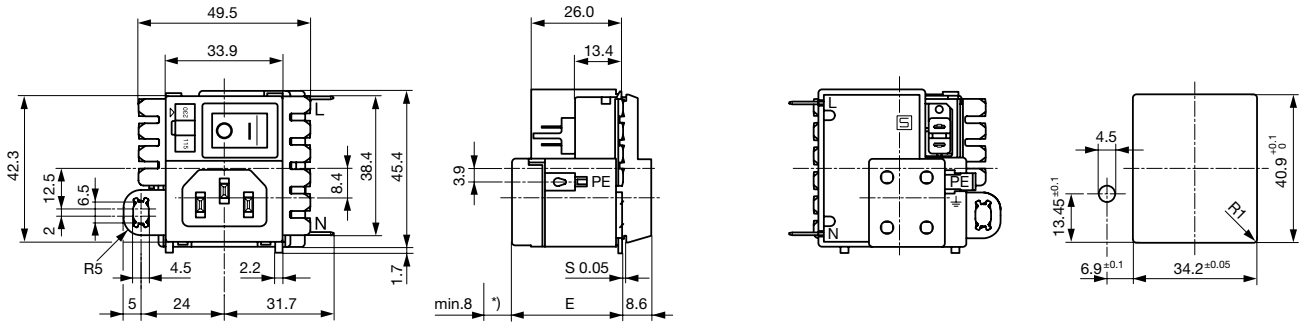
Ratings IEC	10 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	10 A @ Ta 40 °C / 125 VAC; 60 Hz
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Degree of Protection	from front side IP 40 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class 1 acc. to IEC 61140
Terminal	Quick connect terminals 4.8 x 0.8 mm Solder terminal on request Solder terminals for voltage selector
Panel Thickness s	Snap-in: 1.5 mm (other on request)
Material: Housing	Thermoplastic, black, UL 94V-0

Appliance-Inlet/-Outlet	C14 acc. to IEC/EN 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class 1
Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 2 W (1 pole)/ 1.6 W (2-pole) per pole
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Line Switch	Rocker switch 2-pole, non-illuminated, acc. to IEC 61058-1 Technical details
Voltage Selectors	optional, jumper, 2 pos.
MTBF	> 1'400'000 h acc. to MIL-HB-217 F

Dimensions

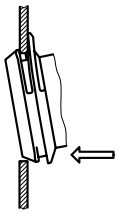
48.3 mm

GRM2



Dimensions

Step 1



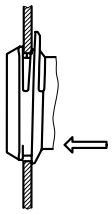
Place the socket in top edge of the panel cut-out.

Step 2



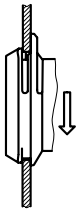
Push the socket upwards.

Step 3



Push the socket forward into the panel cut-out.

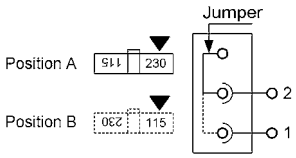
Step 4



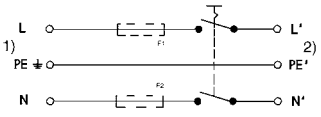
Release the socket. The component is self adjusting.

Diagrams

Voltage selector



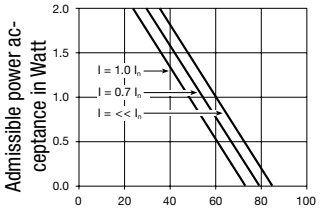
GRM2



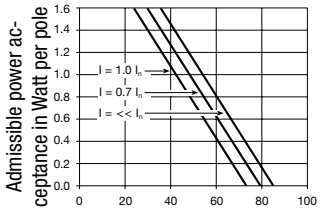
1) Line
2) Load

Derating Curves

1-pole



2-pole



Variants

Basic version:
- Marking of the voltage selector 115/230
- with housing and cover on the rear-side

Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Voltage Selectors	Order Number
10	without	-	2-pole		GRM2.1160.013
10	without	-	2-pole	●	GRM2.1161.023
10	without	2-pole	2-pole		GRM2.1180.013
10	without	2-pole	2-pole	●	GRM2.1181.023

Packaging unit 20 Pcs

Mating Outlets/Connectors



Category / Description

Appliance Outlet Overview complete

IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal	4787
IEC Appliance Outlet F, Snap-in Mounting, Front Side, Solder or Quick-connect Terminal	4788
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal	5091
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal	5092
Appliance Outlet further types to GRM2	



Connector Overview complete

IEC Connector C15, Rewireable, Straight	0101
IEC Connector C15A, Rewireable, Straight	0102
IEC Connector C15A, Rewireable, Straight	0102-G
IEC Connector C15A, Rewireable, Angled	0112
IEC Connector C13, Rewireable, Angled	4012
Connector further types to GRM2	...



Power Cord Overview complete

Power Cord with IEC Connector C13, Angled	0311
Power Cord with IEC Connector C13, Angled	3011
Power Cord with IEC Connector C13, Angled	3012
Power Cord with IEC Connector C13, Angled	3013
Power Cord with IEC Connector C13	3020
Power Cord further types to GRM2	...

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments.